=>

Uploading C:\Program Files\Stnexp\Queries\10622320.str

```
chain nodes:
1 2 3 4 5 6 7 8 10 11 12 13 14 15 16 17 18 19 20 21 22 23 25
26 27 28 29 30
chain bonds:
1-2 1-6 2-3 2-8 3-4 3-5 6-7 10-11 12-14 13-15 16-18 17-20 18-19 18-22
20-21 20-23 25-27 25-29 26-28 26-30
exact/norm bonds:
1-2 1-6 2-8 3-4 3-5 6-7 10-11 12-14 13-15 16-18 17-20 18-19 18-22
20-21 20-23 25-27 25-29 26-28 26-30
exact bonds:
2-3
```

G1:C,S

G2:0,N

G3:C,O,S,N,SO2,[\*1-\*2],[\*3-\*4],[\*5-\*6],[\*7-\*8],[\*9-\*10],[\*11-\*12],[\*13-\*14]

## Match level:

1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS

```
Generic attributes :
Saturation
                 : Unsaturated
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : less than 2
Type of Ring System : Monocyclic
7:
Saturation
                     : Unsaturated
8:
                     : Unsaturated
Saturation
Element Count :
Node 1: Limited
   C,C5
   N,N1
   0,00
   S,SO
L1
       STRUCTURE UPLOADED
=> d 11
L1 HAS NO ANSWERS
L1
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *
Structure attributes must be viewed using STN Express query preparation.
=> s 11 sss sam
SAMPLE SEARCH INITIATED 16:38:18 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 318199 TO ITERATE
                    2000 ITERATIONS
                                                        0 ANSWERS
  0.6% PROCESSED
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01
FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
                       BATCH **INCOMPLETE**
                      6331445 TO 6396515
PROJECTED ITERATIONS:
                               0 TO
PROJECTED ANSWERS:
                                     0
L2
             0 SEA SSS SAM L1
```

Uploading C:\Program Files\Stnexp\Queries\10622320 (a).str

chain nodes : 1 2 3 4 5 6 7 8 10 11 12 13 15 16 17 14 18 19 21 22 23 24 26 ring nodes : 41 42 43 44 45 46 47 72 73 74 76 77 78 79 50 51 52 48 49 53 54 55 56 57 58 69 70 71 80 81 chain bonds : 1-2 1-6 2-3 2-8 3-4 3-5 6-7 10-11 12-14 13-16 14-15 14-18 16-17 16-19 21-23 21-25 22-24 22-26 ring bonds : 41-42 41-46 42-43 43-44 44-45 45-46 47-48 47-52 48-49 49-50 50-51 51-52 53-54 53-58 54-55 55-56 56-57 57-58 69-70 69-74 70-71 71-72 72-73 73-74 76-77 76-81 77-78 78-79 79-80 80-81 exact/norm bonds : 1-2 1-6 2-8 3-4 3-5 6-7 10-11 12-14 13-16 14-15 14-18 16-17 16-19 21-23 21-25 22-24 22-26

```
exact bonds :
2 - 3
normalized bonds :
41-42 41-46 42-43 43-44 44-45 45-46 47-48 47-52 48-49 49-50 50-51 51-52
53-54 53-58 54-55 55-56 56-57 57-58 69-70 69-74 70-71 71-72 72-73 73-74
76-77 76-81 77-78 78-79 79-80 80-81
isolated ring systems :
containing 41 : 47 : 53 : 69 : 76 :
G1:C,S
G2:0,N
G3:C,O,S,N,SO2,[*1-*2],[*3-*4],[*5-*6],[*7-*8],[*9-*10]
G4: [*11-*12], [*13-*14], [*15-*16], [*17-*18], [*19-*20]
Match level:
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 41:Atom
42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 48:Atom 49:Atom 50:Atom
51:Atom 52:Atom 53:Atom 54:Atom 55:Atom 57:Atom 58:Atom 69:Atom
70:Atom 71:Atom 72:Atom 73:Atom 74:Atom 76:Atom 77:Atom 78:Atom 79:Atom
80:Atom 81:Atom
Generic attributes :
7:
Saturation
                    : Unsaturated
8:
                 : Unsaturated
Saturation
Element Count :
Node 1: Limited
   C,C5
   N,N1
   0,00
   S, S0
L3
       STRUCTURE UPLOADED
=> d 13
L3 HAS NO ANSWERS
L3
               STR
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *
Structure attributes must be viewed using STN Express query preparation.
=> s 13 sss sam
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SAMPLE SEARCH INITIATED 16:47:15 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 1379 TO ITERATE

100.0% PROCESSED 1379 ITERATIONS 6 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 25353 TO 29807

PROJECTED ANSWERS: 6 TO 266

6 SEA SSS SAM L3

=> => s 13 sss ful

FULL SEARCH INITIATED 16:48:02 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 26958 TO ITERATE

100.0% PROCESSED 26958 ITERATIONS 97 ANSWERS

SEARCH TIME: 00.00.01

97 SEA SSS FUL L3 L5

=> => s 15

6 L5 L6

=> d 16 1-6 bib, ab, hitstr

## 10/622,320

- L6 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
- ΑN 2005:632264 CAPLUS
- 143:146724 DN
- TI Thienopyridine compounds as IkB kinase inhibitors
- Horiguchi, Yoshiaki; Matsumoto, Takahiro; Hosono, Hiroshi; Kawamoto, IN
- Takeda Chemical Industries, Ltd., Japan PA
- SO Jpn. Kokai Tokkyo Koho, 122 pp. CODEN: JKXXAF
- DTPatent
- LΑ Japanese

PA SO	Takeda Chemical Ind Jpn. Kokai Tokkyo K CODEN: JKXXAF			an	not prid			
DT	Patent				1000			
LA	Japanese				V. (			
FAN.CNT 1								
	PATENT NO.	KIND	PATE'	APPLICATION NO.	DATE			
			/(					
ΡI	JP 2005194198	A2	`20050721	JP 2003-435023	20031226			
PRAI	JP 2003-435023	1	20031226	<b>/</b>				

The invention provides thienopyridine compds. I (R1, R2, R3, R4 = H, substituent; R5 = substituent) or their salts or prodrugs as IkB kinase inhibitors for treatment of diabetes and related disease. example, 3-amino-6-(4-aminopiperidin-1-yl)-4-(2-furyl)thieno[2,3b]pyridine-2-carboxamide was prepared, and examined for its inhibitory effect on IkB kinase, TNF $\alpha$ , and NHkB transcription in vitro. Also, a capsule containing 3-amino-4-(3-furyl)6-piperidin-1-ylthieno[2,3b]pyridine-2-carboxamide 30 mg/capsule was formulated.

## IT

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thienopyridine compds. as IB kinase inhibitors)

- 858644-13-0 CAPLUS RN
- 2-Pyridineacetamide, 6-[(2-amino-2-oxoethyl)thio]-5-cyano- $\alpha$ ,4-CN diphenyl- (9CI) (CA INDEX NAME)

$$\begin{array}{c}
O \\
H_2N-C-CH_2-S \\
NC \\
Ph \\
CH-C-NH_2 \\
Rh \\
O \\
\end{array}$$

L6 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:182368 CAPLUS

DN 140:229401

TI Three hybrid assay system for isolating ligand-binding polypeptides and for isolating small mol. ligands

IN Come, Jon H.; Becker, Frank; Kley, Nikolai A.; Reichel, Christoph

PA

SO	U.S. Pat. Appl. CODEN: USXXCO	Publ., 238 p	op., Cont	in-part of U.S. Ser.		Λ.
DT	Patent				not p	NO.
LΑ	English			<u> </u>		
FAN.	CNT 6				V	
	PATENT NO.	KIND I	DATE	Application no.	DATE	•
		/ -				
PI	US 2004043388	,	20040304	us 2002-234985	20020903	
	US 2003165873	A1 / 2	20030904	US 2002-91177	20020304	
	US 2004266854	A1 / 2	20041230	US 2,004-820453	20040407	
PRAI	US 2001-272932P	P / 2	20010302	1		
	US 2001-278233P	P / 2	20010323	1		
	US 2001-329437P	P / 2	20011015			
	US 2002-91177	A2 2	20020304			
	US 2001-336962P	P 2	20011203			
	WO 2002-US6677	A2 2	20020304			
	US 2002-234985	l l	20020903	/		
	WO 2002-US33052	ı	20021015	/		
	US 2003-460921P	P\ 2	20030407			
	US 2003-531872P	- \	20031223			
• •	ml - form t	., - \ '	1	12 2 6 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2		

AB The invention provides compass, and methods for isolating ligand-binding polypeptides for a user-specified ligand, and for isolating small mol. ligands for a user-specified target polypeptide using an improved class of hybrid ligand compds. Preparation of compds., e.g a methotrexate moiety linked by a polyethylene gycol moiety to dexamethasone, is described.

209410-92-4D, conjugates 209412-01-1D, conjugates RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(three hybrid assay system for isolating ligand-binding polypeptides and for isolating small mol. ligands)

RN 209410-92-4 CAPLUS

2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-5-(phenylthio)- (9CI) CN (CA INDEX NAME)

RN 209412-01-1 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-phenyl- (9CI) (CA INDEX NAME)

```
L6
    ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN
     2003:571128 CAPLUS
DN
    139:129926
    Crystal structures of human JNK3 kinase-inhibitor complexes and JNK3
ΤI
     active- and inhibitor-binding sites and applications to drug screening and
     drug design
IN
    Xie, Xiaoling
                                                            wit puis
    Vertex Pharmaceuticals Incorporated, USA
PΑ
SO
     PCT Int. Appl., 244 pp.
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 1
                                DATE
     PATENT NO.
                         KIND
                                            APPLICATION NO.
                                                                   DATE
PΙ
    WO 2003060102
                         A2
                               20030724
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                                                                    20030110
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                         A3
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             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
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             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     EP 1476840
                                20041117
                                           EP 2003-708827
                                                                    20030110
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            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
                                20020111
PRAI US 2002-348002P
                         Ρ
     WO 2003-US899
                          W
                                20030110
AB
     The invention relates to crystalline mols. or mol. complexes that comprise
     binding pockets of c-Jun N-terminal kinase 3 (JNK3) or its homologs.
     invention also relates to crystals comprising JNK3 and an inhibitor.
     Crystal structure and atomic structure coordinates of human JNK3lpha1
     complexes with various inhibitors are provided. The present invention
     also relates to a computer comprising a data storage medium encoded with
     the structural coordinates of JNK3 binding pockets and methods of using a
     computer to evaluate the ability of a compound to bind to the mol. or mol.
     complex. This invention also relates to methods of using the structure
     coordinates to solve the structure of homologous proteins or protein
     complexes. In addition, this invention relates to methods of using the
     structure coordinates to screen for, design and optimize compds.,
     including agonists and antagonists, which bind to JNK3 or homologs
     thereof.
ΙT
     565197-21-9D, JNK3 complexes
     RL: BSU (Biological study, unclassified); BUU (Biological use,
     unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
        (crystal structures of JNK3 kinase-inhibitor complexes and JNK3 active-
        and inhibitor-binding sites and applications to drug screening and drug
        design)
     565197-21-9 CAPLUS
RN
     2-Pyridineacetamide, \alpha-(2,6-dichlorophenyl)-5-(2,4-difluorobenzoyl)-
CN
```

(9CI) (CA INDEX NAME)

Page 10

```
ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
L6
AN
    2000:802392 CAPLUS
DN
    133:350242
ΤI
    Preparation of pyrido[1,2-c]pyrimidin-3-ones or 1,2-dihydro-pyrido[1,2-
    c]pyrimidin-3-ones as inhibitors of p38
IN
    Bemis, Guy W.; Salituro, Francesco Gerald; Duffy, John Patrick;
    Harrington, Edmund Martin
PA
    Vertex Pharmaceuticals Incorporated, USA
SO
    U.S., 28 pp., Cont.-in-part of U.S. 5,945,418.
    CODEN: USXXAM
DT
     Patent
LΑ
    English
FAN.CNT 2
                               DATE
                                          APPLICATION NO.
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                                                                  DATE
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                                         US 1997-862925
    US 6147080 - No OPP
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PΙ
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    US 5945418 — u
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            NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
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    AP 1136
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     AT 236165
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                                           PT 1997-952517
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     EE 4191
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                               20040811
                                           CN 2003-2003158796
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     NO 315047
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                               20031224
                                                                  20000418
                        A1
                                           US 2003-622320
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PRAI US 1996-34288P
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                        A2
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                               19970610
     WO 1997-US23392
                         W
                               19971217
                               19990614
     US 1999-336266
                        A1
OS
    MARPAT 133:350242
```

AB The title compds. [I or II; Q1, Q2 = (un)substituted Ph, 5-6 membered aromatic heterocyclic ring systems having one N atom; X = S, O, SO2, etc.; Y = C; R = H, alkyl; A = N, CH, C(alkyl), C(alkenyl), C(alkynyl); n = 1; R1 = H, alkyl, OH. O(alkyl)], useful as inhibitors of p38, a mammalian protein kinase involved cell proliferation, cell death and response to extracellular stimuli, were prepared E.g., a multi-step synthesis of the compound I [Q1, Q2 = Ph; X = S; Y = C; R = H; A = N; n = 1; R1 = H] which showed IC50 of > 20 μM against p38 binding, was given.

IT 209410-92-4P 209412-01-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyrido[1,2-c]pyrimidin-3-ones or 1,2-dihydro-pyrido[1,2-c]pyrimidin-3-ones as inhibitors of p38)

RN 209410-92-4 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-5-(phenylthio)- (9CI) (CA INDEX NAME)

RN 209412-01-1 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-phenyl- (9CI) (CA INDEX NAME)

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

```
L6
     ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN
     1999:736658 CAPLUS
DN
     131:336949
     Preparation of pyridinylarylureas and related compounds as inhibitors of
ΤI
     Salituro, Francesco; Galullo, Vincent; Bellon, Steven; Bemis, Guy;
IN
     Cochran, John
                                                               Common Inv.
     Vertex Pharmaceuticals Incorporated, USA
PA
SO
     PCT Int. Appl., 99 pp.
     CODEN: PIXXD2
DT
     Patent
LА
     English
FAN.CNT 1
     PATENT NO.
                        KIND
                                DATE
                                            APPLICATION NO.
                                                                   DATE
                         ____
                                            -----
                                _____
                                19991118
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PI
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             JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
             MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
             TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
            MD, RU, TJ, TM
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                                20011126
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                                                                    20001221
                          Α1
   🗦 US 6632945
                          В2
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     US 2004132729
                          A1
                                            US 2003-638126
                                                                    20030808
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PRAI US 1998-85053P
                          Ρ
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     US 1999-127626P
                          Ρ
                                19990401
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                          Ρ
                                19990413
     WO 1999-US10291
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                                19990511
     US 2000-746722
                          А3
                                20001221
     MARPAT 131:336949
```

Title compds. e.g., [I; Q1, Q2 = substituted Ph, 5-6 membered heteroaryl, AΒ 8-10 membered bicyclyl; Y = N, C; Z = CH, N, COMe, CMe, CNH2, COH, CF; U = R, W; V = CONH2, PO(NH2)2, SO2NH2; W = NR2SO2N(R2)2, COR2, CO2R2, (substituted) alkyl, etc.; R = H, R2, N(R2)2, OR2, SR2, CO2R2, COR2, etc.; R2 = H, (substituted) alkyl, alkenyl], were prepared Thus, o-tolylboronic acid, 2-bromo-3-dimethoxymethyl-6-(2,6-dichlorophenylamino)pyridine (preparation given), Tl2CO3, and Pd(Ph3P)4 were refluxed in PhMe/EtOH followed by aqueous acid and base workup to give 2-(o-toly1)-3-formy1-6-(2,6dichlorophenylamino)pyridine, which was stirred with ClSO2NCO in CH2Cl2 followed by treatment of the product with NaBH4 in MeOH to give title compound (II). Tested title compds. inhibited recombinant p38 kinase with

 $IC50 = 0.02-0.56 \mu M.$ 

IT 250122-82-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyridinylarylureas and related compds. as inhibitors of p38 kinase)

RN 250122-82-8 CAPLUS

CN 2-Pyridineacetamide, 6-(3-chloro-2-methylphenyl)- $\alpha$ -(2,6-dichlorophenyl)-4-[(4-ethyl-1-piperazinyl)methyl]- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & \text{C1} & \text{O} & \\ & \text{Me} & \text{O} & \\ & \text{N} & \text{C-NH}_2 \\ & \text{N} & \text{CH}_2 & \text{CH} \\ & \text{C1} & \\ & & \text{C1} & \\ \end{array}$$

IT 250123-29-6

RL: RCT (Reactant); RACT (Reactant or reagent) (preparation of pyridinylarylureas and related compds. as inhibitors of p38 kinase)

RN 250123-29-6 CAPLUS

CN 2-Pyridineacetamide, 6-(3-chloro-2-methylphenyl)- $\alpha$ -(2,6-dichlorophenyl)-4-[[(methylsulfonyl)oxy]methyl]- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
C1 & O & O & O \\
Me & O & O & O \\
Me - S - O - CH_2 & CH & C1 \\
O & C1 - O - CH_2 & O - CH_2
\end{array}$$

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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prepared Thus, PhCH2CN was arylated by 3,6-dichloropyridazine and the
product thioetherified by PhSH to give PhCH(CN)ZSPh (Z =
pyridazine-3,6-diyl) which was hydrolized to the amide and the product
cyclized to give title compound II.
```

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ΙT
     209410-92-4P 209410-98-0P 209410-99-1P
     209411-00-7P 209411-01-8P 209411-02-9P
     209411-03-0P 209411-04-1P 209411-05-2P
     209411-06-3P 209411-07-4P 209411-08-5P
     209411-09-6P 209411-10-9P 209411-11-0P
     209411-12-1P 209411-13-2P 209411-14-3P
     209411-15-4P 209411-16-5P 209411-17-6P
     209411-18-7P 209411-19-8P 209411-20-1P
     209411-21-2P 209411-22-3P 209411-23-4P
     209411-24-5P 209411-25-6P 209411-26-7P
     209411-27-8P 209411-28-9P 209411-29-0P
     209411-30-3P 209411-31-4P 209411-32-5P
     209411-33-6P 209411-34-7P 209411-35-8P
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     209411-82-5P 209411-83-6P 209411-84-7P
     209411-85-8P 209411-86-9P 209411-87-0P
     209411-88-1P 209411-89-2P 209412-01-1P
     RL: BAC (Biological activity or effector, except adverse); BSU (Biological
     study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); USES (Uses)
        (preparation of annelated pyrimidinones and analogs as p38 kinase
        inhibitors)
RN
     209410-92-4 CAPLUS
CN
     2-Pyridineacetamide, \alpha-(2,6-dichlorophenyl)-5-(phenylthio)- (9CI)
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(CA INDEX NAME)

RN209410-98-0 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-5-(hydroxyphenylmethyl)-

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L6
     ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ΑN
     1998:424256 CAPLUS
     129:81749
DN
     Preparation of annelated pyrimidinones and analogs as p38 kinase
ΤI
     inhibitors
IN
     Bemis, Guy W.; Salituro, Francesco Gerald; Duffy, John Patrick; Cochran,
                                                                      Appl PCS
     John E.; Harrington, Edmund Martin; Murcko, Mark A.; et al.
PA
     Vertex Pharmaceuticals Inc., USA
SO
     PCT Int. Appl., 131 pp.
     CODEN: PIXXD2
DT
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LΑ
     English
FAN.CNT 2
     PATENT NO.
                          KIND
                                             APPLICATION NO.
                                                                      DATE
                                 DATE
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                                 19980625
                                                                      19971217
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                                 20001114
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                           AA
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     AU 9856105
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                                 19980715
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                           B2
                                 20010906
     EP 951467
                           A1
                                 19991027
                                              EP 1997-952517
                                                                      19971217
     EP 951467
                           В1
                                 20030402
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     CN 1244867
                                              CN 1997-181382
                          Α
                                 20000216
                                                                      19971217
     BR 9714415
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                                 20000418
                                              BR 1997-14415
                                                                      19971217
     NZ 336146
                                 20000929
                                              NZ 1997-336146
                           Α
                                                                      19971217
     JP 2001506266
                           T2
                                 20010515
                                              JP 1998-527975
                                                                      19971217
                                              AP 1999-1565
     AP 1136
                          Α
                                 20030131
                                                                      19971217
         W: GH, GM, KE, LS, MW, SD, SZ, UG, ZW
     AT 236165
                                 20030415
                                              AT 1997-952517
                           Ε
                                                                      19971217
     EE 4191
                                              EE 1999-252
                                 20031215
                           В1
                                                                      19971217
     NO 9905950 No ODP
                                              SK 1999-805
                           В6
                                 20050701
                                                                      19971217
                                              US 1999-336266
                           В1
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                                                                      19990614
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                           Α
                                 19990817
                                                                      19990617
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                           В1
                                 20030630
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                           A1
                                 20031224
                                                                      20000418
     US 2005009844
                           A1
                                 20050113
                                              US 2003-622320
                                                                      20030717
PRAI US 1996-34288P
                           Ρ
                                 19961218
     US 1997-822373
                                 19970320
                           Α
     US 1997-862925
                           A2
                                 19970610
     WO 1997-US23392
                           W
                                 19971217
     US 1999-336266
                           A1
                                 19990614
os
     MARPAT 129:81749
     Title compds. [e.g., I; Q1 = (un)substituted (hetero)aryl; R1 = H, OH,
AB
     alkyl, alkoxy; R5R6 = YR:YRC(XQ2):An or YR:YRCH:CQ2; A = N or
     (un) substituted CH; Q2 = (un) substituted (hetero) aryl; R = H,
     (un) substituted alkyl, amino(carbonyl), alkoxycarbonyl, etc.; RR = atoms
     to complete a ring; X = 0, CO, CH2, NH, etc.; Y = N or C; n = 0 or 1] were
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(9CI) (CA INDEX NAME)

RN 209410-99-1 CAPLUS

CN 2-Pyridineacetamide, 5-benzoyl- $\alpha$ -(2,6-dichlorophenyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} O & O \\ \parallel & \parallel \\ Ph-C & \parallel \\ \hline N & C-NH_2 \\ \hline C1 & C1 \\ \hline \end{array}$$

RN 209411-00-7 CAPLUS

CN 2-Pyridineacetamide, α-(2,6-dichlorophenyl)-6-[2-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-01-8 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[2-[(methylamino)methyl]phenyl]- (9CI) (CA INDEX NAME)

RN 209411-02-9 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[2-(1piperazinylmethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-03-0 CAPLUS CN

2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(2-methylphenyl)-(9CI) (CA INDEX NAME)

RN209411-04-1 CAPLUS

2-Pyridineacetamide, 6-(4-chlorophenyl)- $\alpha$ -(2,6-dichlorophenyl)-CN (9CI) (CA INDEX NAME)

RN 209411-06-3 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(3-methylphenyl)-(9CI) (CA INDEX NAME)

RN 209411-07-4 CAPLUS

CN

2-Pyridineacetamide, 6-(3-chloro-4-fluorophenyl)- $\alpha$ -(2,6-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 209411-08-5 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[4-(methylthio)phenyl]-(9CI) (CA INDEX NAME)

RN 209411-09-6 CAPLUS

CN 2-Pyridineacetamide, α-(2-chloro-6-fluorophenyl)-6-phenyl- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
 & O \\
 & H_2N-C \\
 & CH \\
 & F \\
 & Ph
\end{array}$$

RN 209411-10-9 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[2-[(hydroxyimino)methyl]phenyl]- (9CI) (CA INDEX NAME)

RN 209411-11-0 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(3-nitrophenyl)- (9CI) (CA INDEX NAME)

RN 209411-12-1 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(4-fluorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-13-2 CAPLUS

2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

CN

RN 209411-14-3 CAPLUS

CN 2-Pyridineacetamide, 6-(3-chlorophenyl)- $\alpha$ -(2,6-dichlorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-15-4 CAPLUS

CN Benzoic acid, 4-[6-[2-amino-1-(2,6-dichlorophenyl)-2-oxoethyl]-2-pyridinyl]- (9CI) (CA INDEX NAME)

RN 209411-16-5 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(4-formylphenyl)-(9CI) (CA INDEX NAME)

RN 209411-17-6 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(2-thienyl)- (9CI) (CA INDEX NAME)

RN 209411-18-7 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(3-thienyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} S & & & C1 \\ \hline N & & & C1 \\ \hline H_2N-C & & & C1 \\ \hline O & & & & \end{array}$$

RN 209411-19-8 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(3-nitrophenyl)-(9CI) (CA INDEX NAME)

RN 209411-20-1 CAPLUS

CN 2-Pyridineacetamide, α-(2-chloro-6-fluorophenyl)-6-(4-fluorophenyl)(9CI) (CA INDEX NAME)

RN 209411-21-2 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(3-formylphenyl)-(9CI) (CA INDEX NAME)

RN 209411-22-3 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(3-methoxyphenyl)-(9CI) (CA INDEX NAME)

RN 209411-23-4 CAPLUS

CN 2-Pyridineacetamide, α-(2,6-dichlorophenyl)-6-(3-fluorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-24-5 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(2-methoxyphenyl)-

(9CI) (CA INDEX NAME)

RN 209411-25-6 CAPLUS

CN 2-Pyridineacetamide, 6-(2,4-dichlorophenyl)- $\alpha$ -(2,6-dichlorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-26-7 CAPLUS

CN 2-Pyridineacetamide, 6-(5-chloro-2-thienyl)- $\alpha$ -(2,6-dichlorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-27-8 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(2-formylphenyl)-

(9CI) (CA INDEX NAME)

RN 209411-28-9 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(4-chlorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-29-0 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(4-methylphenyl)-(9CI) (CA INDEX NAME)

RN 209411-30-3 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(3-methylphenyl)-(9CI) (CA INDEX NAME)

RN 209411-31-4 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(3-chloro-4-fluorophenyl)- (9CI) (CA INDEX NAME)

RN 209411-32-5 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-[4-(methylthio)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-33-6 CAPLUS
CN 2-Pyridineacetamide, α-(2-chloro-6-fluorophenyl)-6-(2-methylphenyl)(9CI) (CA INDEX NAME)

RN 209411-34-7 CAPLUS
CN Benzoic acid, 4-[6-[2-amino-1-(2-chloro-6-fluorophenyl)-2-oxoethyl]-2-pyridinyl]- (9CI) (CA INDEX NAME)

RN 209411-35-8 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(4-formylphenyl)-

## (9CI) (CA INDEX NAME)

RN 209411-36-9 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(2-thienyl)-(9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
S & F \\
N & CH \\
H_2N-C & C1 \\
O & C1
\end{array}$$

RN 209411-38-1 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-39-2 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(3-chlorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-40-5 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(3-formylphenyl)-(9CI) (CA INDEX NAME)

RN 209411-41-6 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(2,4-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 209411-42-7 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(5-chloro-2-thienyl)- (9CI) (CA INDEX NAME)

RN 209411-43-8 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(2-formylphenyl)-(9CI) (CA INDEX NAME)

RN 209411-44-9 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,5-dichlorophenyl)-6-phenyl- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
 & C1 \\
 & H_2N-C \\
 & CH \\
 & C1 \\
 & Ph \\
\end{array}$$

RN 209411-45-0 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[2-(1-pyrrolidinylmethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-46-1 CAPLUS

CN 2-Pyridineacetamide, α-(2,6-dichlorophenyl)-6-[2-[[(2-hydroxyethyl)amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

RN 209411-47-2 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(3-methoxyphenyl)-(9CI) (CA INDEX NAME)

RN 209411-48-3 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(3-fluorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-49-4 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(2-methoxyphenyl)-(9CI) (CA INDEX NAME)

RN 209411-50-7 CAPLUS

CN 2-Pyridineacetamide, 6-(2-benzofuranyl)- $\alpha$ -(2,6-dichlorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-51-8 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(4-methoxyphenyl)-(9CI) (CA INDEX NAME)

RN 209411-52-9 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-53-0 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(2-naphthalenyl)-(9CI) (CA INDEX NAME)

RN 209411-54-1 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(4-amino-2,6-dichlorophenyl)-6-(4-fluoro-2-methylphenyl)- (9CI) (CA INDEX NAME)

RN 209411-55-2 CAPLUS

CN 2-Pyridineacetamide, 6-benzo[b]thien-2-yl- $\alpha$ -(2,6-dichlorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-56-3 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(3-formyl-2-furanyl)- (9CI) (CA INDEX NAME)

RN 209411-57-4 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[2-[(phenylamino)methyl]phenyl]- (9CI) (CA INDEX NAME)

RN 209411-58-5 CAPLUS

CN 2-Pyridineacetamide, 6-[2-[[(2-aminoethyl)amino]methyl]phenyl]- $\alpha$ -(2,6-dichlorophenyl)- (9CI) (CA INDEX NAME)

$$H_2N-CH_2-CH_2-NH-CH_2$$
 $C-NH_2$ 
 $CH$ 
 $CH$ 

RN 209411-59-6 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[2-[[(2,3-dihydroxypropyl)amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} \text{OH} & \\ \text{HO-CH}_2\text{-CH-CH}_2\text{-NH-CH}_2 & \\ \text{N} & \text{C-NH}_2 \\ \text{C1-} & \\ \end{array}$$

RN 209411-60-9 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(4-fluoro-1-naphthalenyl)- (9CI) (CA INDEX NAME)

RN 209411-61-0 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-difluorophenyl)-6-phenyl- (9CI) (CA INDEX NAME)

RN 209411-62-1 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2-chloro-6-fluorophenyl)-6-(4-fluoro-2-methylphenyl)- (9CI) (CA INDEX NAME)

RN 209411-63-2 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(1-naphthalenyl)-(9CI) (CA INDEX NAME)

RN 209411-64-3 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(4-fluoro-2-methylphenyl)- (9CI) (CA INDEX NAME)

RN 209411-65-4 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[2-

(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-66-5 CAPLUS

CN 2-Pyridineacetamide, 6-(2,3-dichlorophenyl)- $\alpha$ -(2,6-dichlorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-67-6 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(2-fluorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-68-7 CAPLUS

CN 2-Pyridineacetamide, 6-(2-chlorophenyl)- $\alpha$ -(2,6-dichlorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-69-8 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(2,3-dimethylphenyl)-(9CI) (CA INDEX NAME)

RN 209411-70-1 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(2-ethylphenyl)- (9CI) (CA INDEX NAME)

RN 209411-71-2 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[2-(2-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-72-3 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-74-5 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[2-(methoxymethoxy)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-75-6 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(2-hydroxyphenyl)-(9CI) (CA INDEX NAME)

RN 209411-76-7 CAPLUS

CN 2-Pyridineacetamide, 6-[3,5-bis(trifluoromethyl)phenyl]- $\alpha$ -(2,6-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 209411-77-8 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(3,4,5-trifluorophenyl)- (9CI) (CA INDEX NAME)

RN 209411-78-9 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[3-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-79-0 CAPLUS
CN 2-Pyridineacetamide, α-(2,6-dimethylphenyl)-6-phenyl- (9CI) (CA
INDEX NAME)

RN 209411-80-3 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[4-fluoro-2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-81-4 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(3,5-dichlorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-82-5 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[4-fluoro-2-[(methoxymethoxy)methyl]phenyl]- (9CI) (CA INDEX NAME)

RN 209411-83-6 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[4-fluoro-2-(methoxymethoxy)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-84-7 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(4-fluoro-2-hydroxyphenyl)- (9CI) (CA INDEX NAME)

RN 209411-85-8 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(2,4-difluorophenyl)-(9CI) (CA INDEX NAME)

RN 209411-86-9 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(6-chloro-1,3-benzodioxol-5-yl)-6-phenyl-(9CI) (CA INDEX NAME)

RN 209411-87-0 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-[4-fluoro-2-

(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 209411-88-1 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(4-fluoro-3-methylphenyl)- (9CI) (CA INDEX NAME)

RN 209411-89-2 CAPLUS

CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

RN 209412-01-1 CAPLUS CN 2-Pyridineacetamide,  $\alpha$ -(2,6-dichlorophenyl)-6-phenyl- (9CI) (CA INDEX NAME)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

## => => d his

(FILE 'HOME' ENTERED AT 16:37:36 ON 30 AUG 2005)

FILE 'REGISTRY' ENTERED AT 16:37:41 ON 30 AUG 2005

L1 STRUCTURE UPLOADED

L2 0 S L1 SSS SAM

L3 STRUCTURE UPLOADED

L4 6 S L3 SSS SAM L5 97 S L3 SSS FUL

FILE 'CAPLUS' ENTERED AT 16:48:09 ON 30 AUG 2005

L6 6 S L5

FILE 'CAOLD' ENTERED AT 16:48:38 ON 30 AUG 2005

=> s 15

L7 0 L5

=> log y

COST IN U.S. DOLLARS SINCE FILE TOTAL

FULL ESTIMATED COST ENTRY SESSION 0.43 198.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL

ENTRY SESSION

CA SUBSCRIBER PRICE 0.00 -4.38

STN INTERNATIONAL LOGOFF AT 16:48:51 ON 30 AUG 2005